Amendments to the Claims:

This listing of claims will replace all prior versions of claims in the application.

Listing of Claims:

1. (currently amended) A method of communicating traffic in a network, wherein the network comprises a Network Node (MNN), a Router (MR), and a Multicast Signalling Gateway (MSG), the method comprising:

communicating using one or more multicast protocols from a source to a group (G) of nodes, wherein the group (G) comprises theincluding a Network Node (MNN), the Router (MR), and the Multicast Signalling Gateway (MSG), in a network using one or more multicast protocols, wherein the network also comprising aRouter (MR) for forwardings traffic between said network and thean Internet, and wherein the characterised by a Multicast Signalling Gateway (MSG) is co-located with said Router (MR); and

translating on an interface signalling messages of a multicast routing protocol (MRP) into messages of a group membership protocol (GMP).

2. (currently amended) A method of communicating traffic in a mobile network, wherein the mobile network comprises a Mobile Network Node (MNN), a Mobile Router (MR), and a Multicast Signalling Gateway (MSG), the method comprising:

communicating using one or more multicast protocols from a source to a group (G) of nodes, wherein the group (G) comprises theincluding a Mobile Network Node (MNN), the Mobile Router (MR), and the Multicast Signalling Gateway (MSG), in a Mobile Network using one or more multicast protocols, wherein the Mobile Network also comprising aMobile Router (MR) for-forwardsing traffic between said Mobile Network and thean Internet, and wherein the

characterised by a Multicast Signalling Gateway (MSG) is co-located with said Mobile Router (MR); and

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translating on an interface signalling messages of a multicast routing protocol (MRP) into messages of a group membership protocol (GMP).

3.   (original) A method as claimed in claim 2, wherein said interface is an egress interface of said Mobile Router (MR).

4.   (currently amended) A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) operating on said interface determines whether said signalling messages relate to the group join class ({JOIN}) or the group leave class ({LEAVE}) and translates the class into group membership protocol (GMP).

5.   (original) A method as claimed in claim 4, wherein said determination of the class is made using a class table which provide the class as a function of the type of said signalling message.

6.   (currently amended) A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) operating on said interface determines whether said signalling messages contain an identification of a target multicast Group (G) and translates the target multicast group identification into group membership protocol (GMP).

7.   (original) A method as claimed in claim 6, wherein said Multicast Signalling Gateway (MSG) operating on said interface determines whether said signalling messages contain an address of a target multicast group source (S) and translates the target source address into group membership protocol (GMP).

8.   (original) A method as claimed in claim 7, wherein said Multicast Signalling Gateway (MSG) maintains source lists that include, for each MSG-enabled interface, said identifications of groups (G) associated with their respective multicast group source addresses identified by said signalling messages.

9.   (original) A method as claimed in claim 8, wherein said Multicast Signalling Gateway (MSG) renews the GMP subscription for said group (G) in response to a change in said respective source list.

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10. (currently amended) A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) renews the GMP subscription for groups and associated source lists maintained for said interface in response to a change of topological attachment point of said interface.

11. (currently amended) A method as claimed in ~~any preceding claim~~ claim 1, wherein multicast packets from a source external to said network to which said network is subscribed through the MSG-enabled interface are multicast-routed from said MSG-enabled interface within said network according to a local multicast forwarding table of said router (MR).

12. (currently amended) A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) uses a "service interface" as provided by the GMP protocols to generate the GMP messages, and thus to enable and disable reception of packets sent to specific IP multicast addresses by specific sources.

13. (original) A method as claimed in claim 12, wherein said Multicast Signalling Gateway (MSG) aggregates sources for a given multicast group (G) and uses a single socket identifier (sid) to pass the whole aggregation.

14. (currently amended) A method as claimed in claim 12 ~~or 13~~, wherein said Multicast Signalling Gateway (MSG) uses different socket identifiers (target_sid) for respective targets (source S, multicast group G) derived from said signalling messages.

15. (currently amended) A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) detects Multicast Routing Protocol (MRP) messages by monitoring packets sent over the MSG-enabled interface.

16. (currently amended) A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) is embedded within an extension of a multicast routing protocol (MRP) implementation.

17. (currently amended) A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) translates multicast packets together with unicast

source addresses and multicast destination addresses of multicast packets between IPv4 and IPv6 protocols.

18. (currently amended)   A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) translates IPv4 MRP messages into IPv4 GMP messages (that is IGMP messages).

19. (currently amended)   A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) translates IPv6 MRP messages into IPv6 GMP messages (that is MLD messages).

20. (currently amended)   A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) translates IPv4 MRP messages into IPv6 GMP messages and enables IPv4 nodes to receive multicast packets from IPv6 multicast groups and sources.

21. (currently amended)   A method as claimed in ~~any preceding claim~~ claim 1, wherein said Multicast Signalling Gateway (MSG) translates IPv6 MRP messages into IPv4 GMP messages and enables IPv6 nodes to receive multicast packets from IPv4 multicast groups and sources.

22. (cancelled)